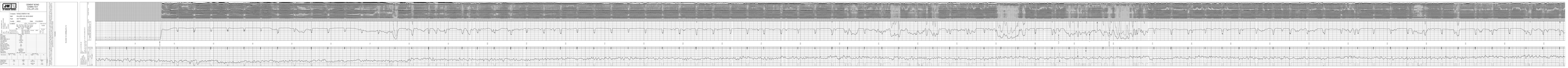

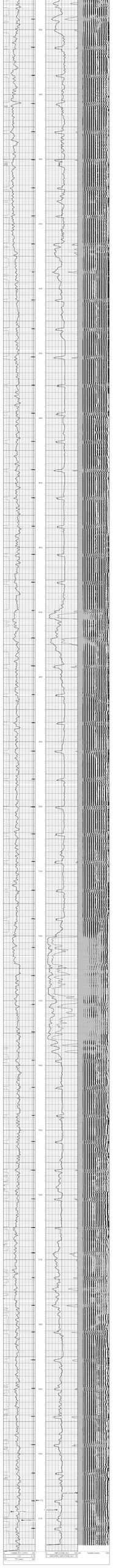

J-W WIRELINE COMPANY

CEMENT BOND GAMMA RAY COLLAR LOG

Company	NOBLE ENERGY INC.
Well	DILLARD USX AB 09-99HZ
Field	WATTENBERG
County	WELD
State	COLORADO

Company NOBLE ENERGY INC.
Well DILLARD USX AB 09-99HZ
Field WATTENBERG
County WELD State COLORADO

Location: API #: 05-123-31237-00
SHL: 190' FNL & 660' FWL NW/NW
BHL:1320' FSL& 660' GEL NE/SE
SEC. 9 TWP. 7N RGE. 64W
SEC TWP RGE

Other Services
NONE

Permanent Datum	GROUND LEVEL	Elevation 4918	Elevation
Log Measured From	KELLY BUSHING		K.B. 4934
Drilling Measured From	KELLY BUSHING		D.F.
			G.L. 4918

Date	18-MAY-2010
Run Number	ONE
Depth Driller	12028
Depth Logger	6151
Bottom Logged Interval	6150
Top Log Interval	SURFACE
Open Hole Size	8 3/4
Type Fluid	WATER
Density / Viscosity	--
Max. Recorded Temp.	240
Estimated Cement Top	2460
Time Well Ready	--
Time Logger on Bottom	--
Equipment Number	2405/TECKO
Location	BRIGHTON
Recorded By	HAYES
Witnessed By	MR. ANDY DOCKINS

Borehole Record				Tubing Record		
Run Number	Bit	From	To	Size	Weight	From	To

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	9 5/8	36 #	SURFACE	821
Prot. String				
Production String	7"	23#	SURFACE	7335
Liner	4.5	11.6#	6161	11743

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All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions set out in our current Price Schedule.

Comments

N LOGS TO CORRELATE TO

Database File:	dillard usx ab 09-99hz.db
Dataset Pathname:	pass3
Presentation Format:	cblx
Dataset Creation:	Tue May 18 11:32:49 2010 by Log Std Casedhole 08121
Charted by:	Depth in Feet scaled 1:240

3800
3900
4000
4100
4200
4300
4400
4500
4600
4700
4800
4900
5000
5100
5200
5300
5400
5500
5600
5700
5800
5900
6000
6100
CCL
3' Travel Time
GAMMA RAY
3' Amplitude
Variable Density
0 GAMMA RAY (GAPI) 200
12 CCL -0.75
300 TT3 (usec) 200
0 AMPLITUDE (mV) 100
0 AMPLIFIED AMPLITUDE (mV) 30
200 Variable Density 1200